



FIG. 1

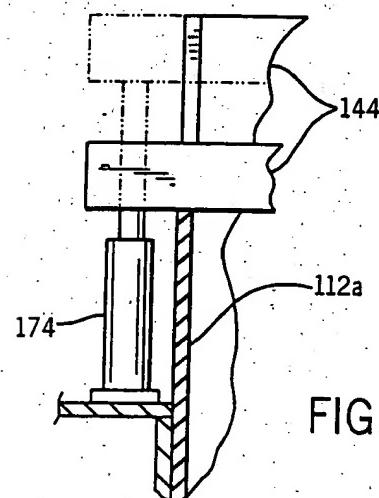
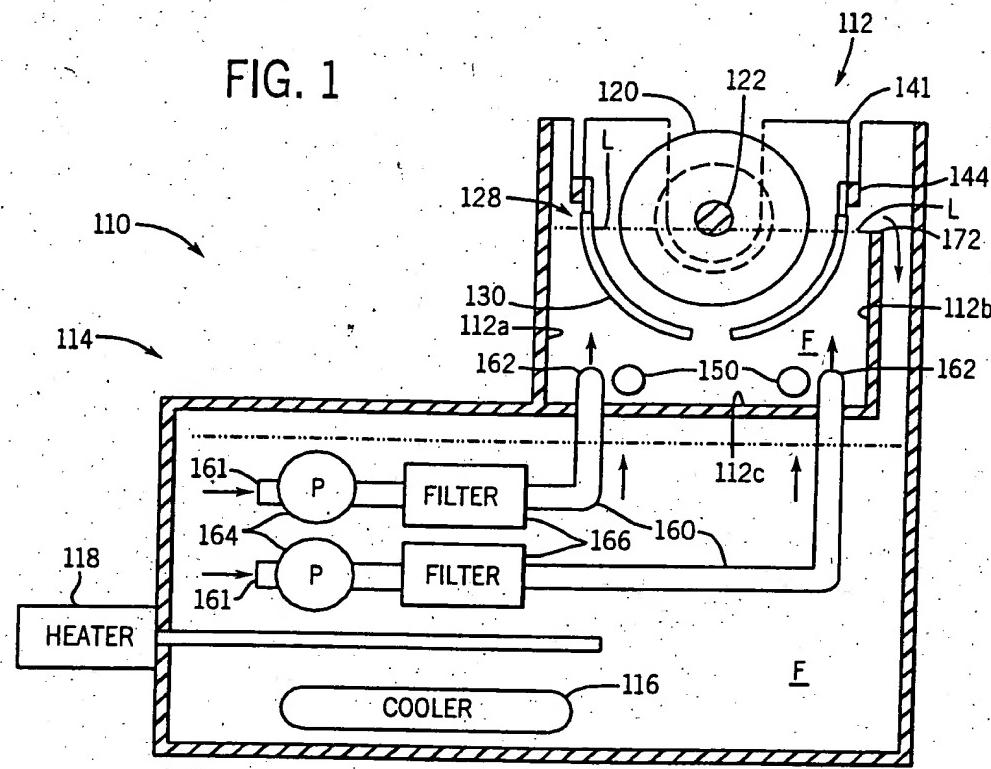


FIG. 5

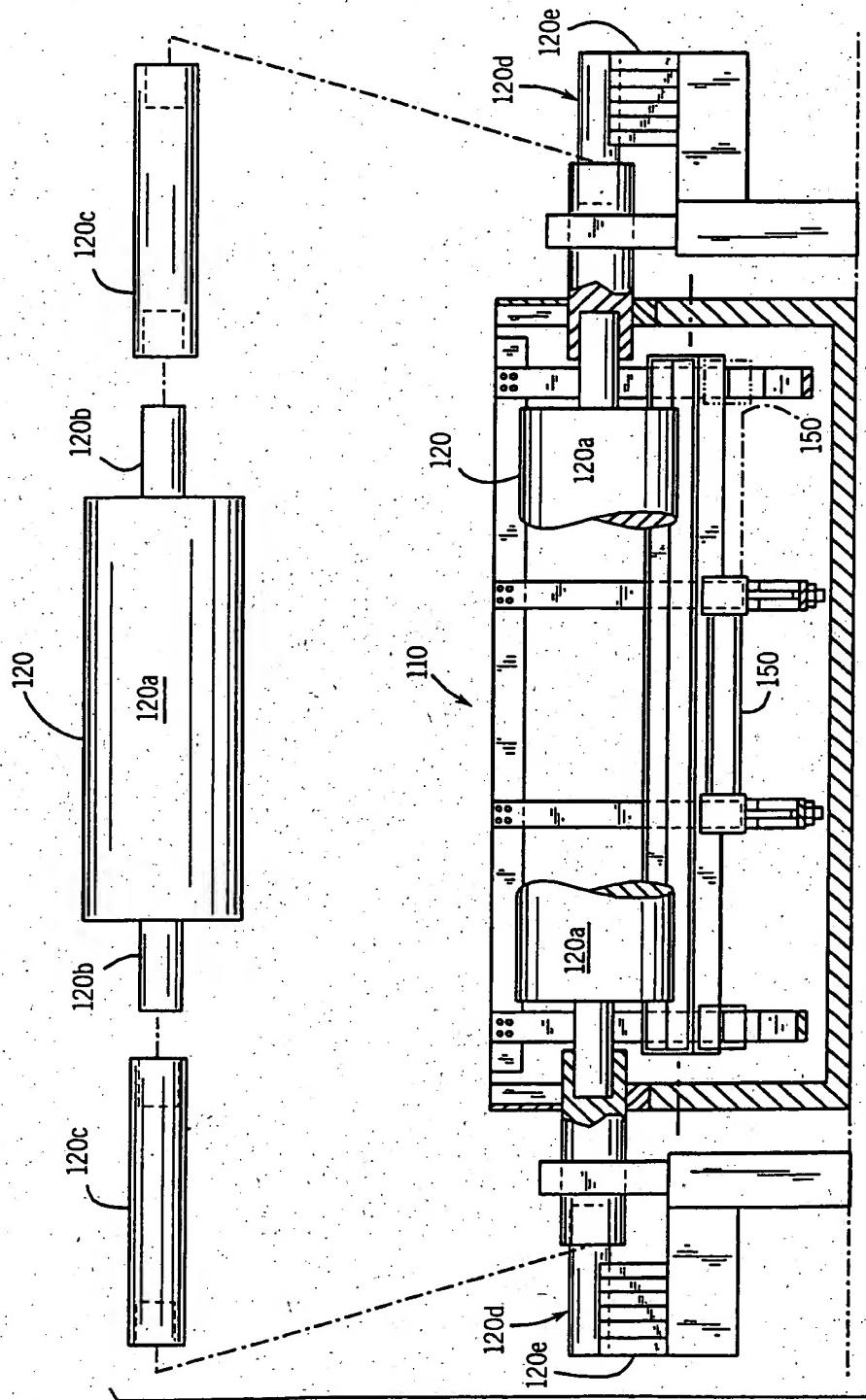


FIG. 2

Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

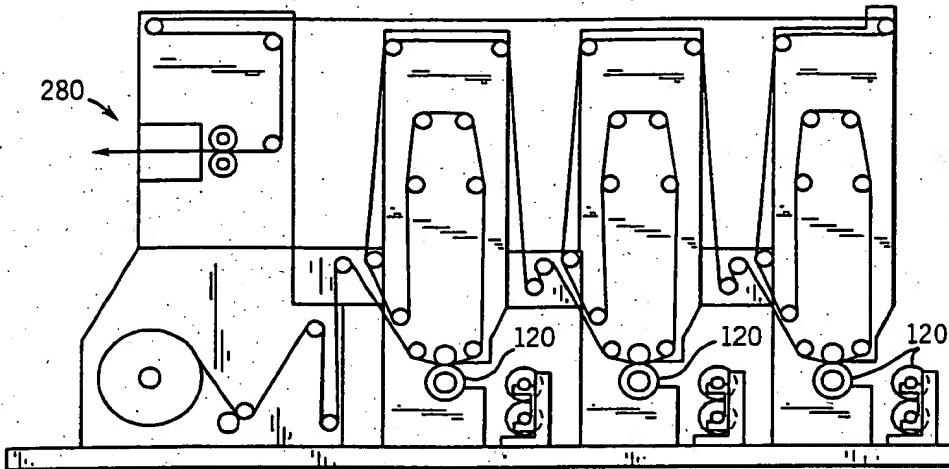


FIG. 3

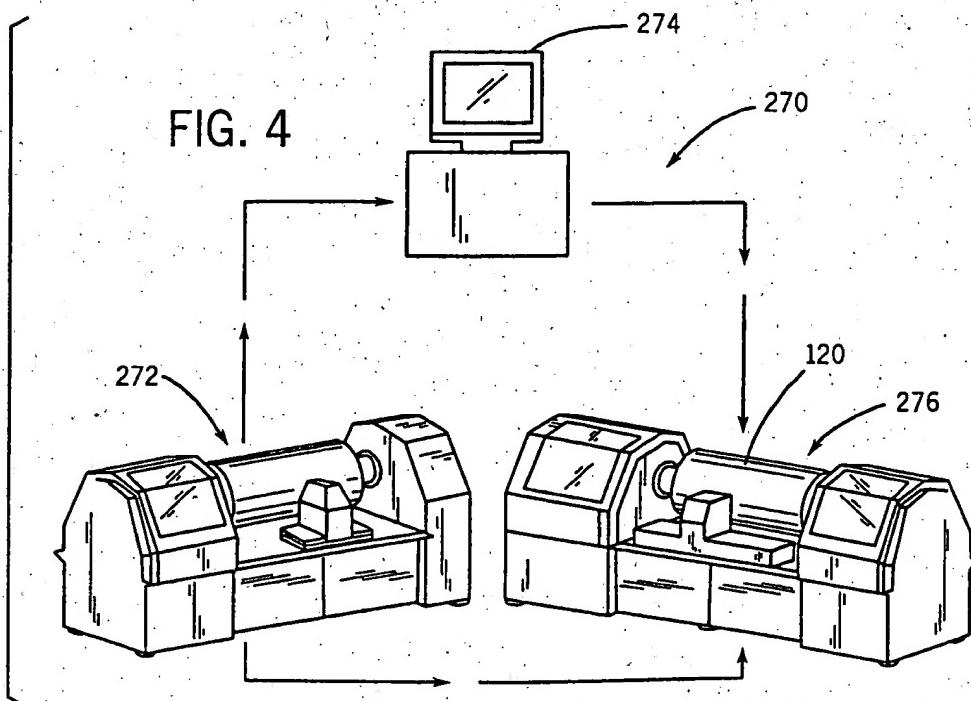


FIG. 4

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FIG. 6

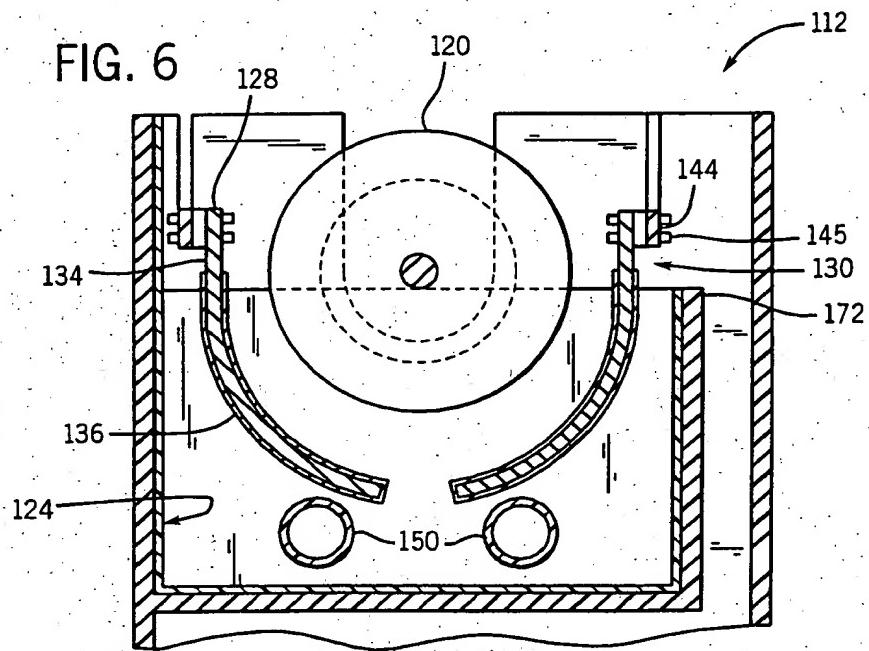
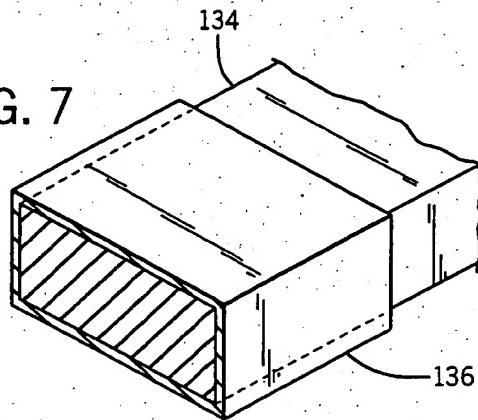


FIG. 7



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Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

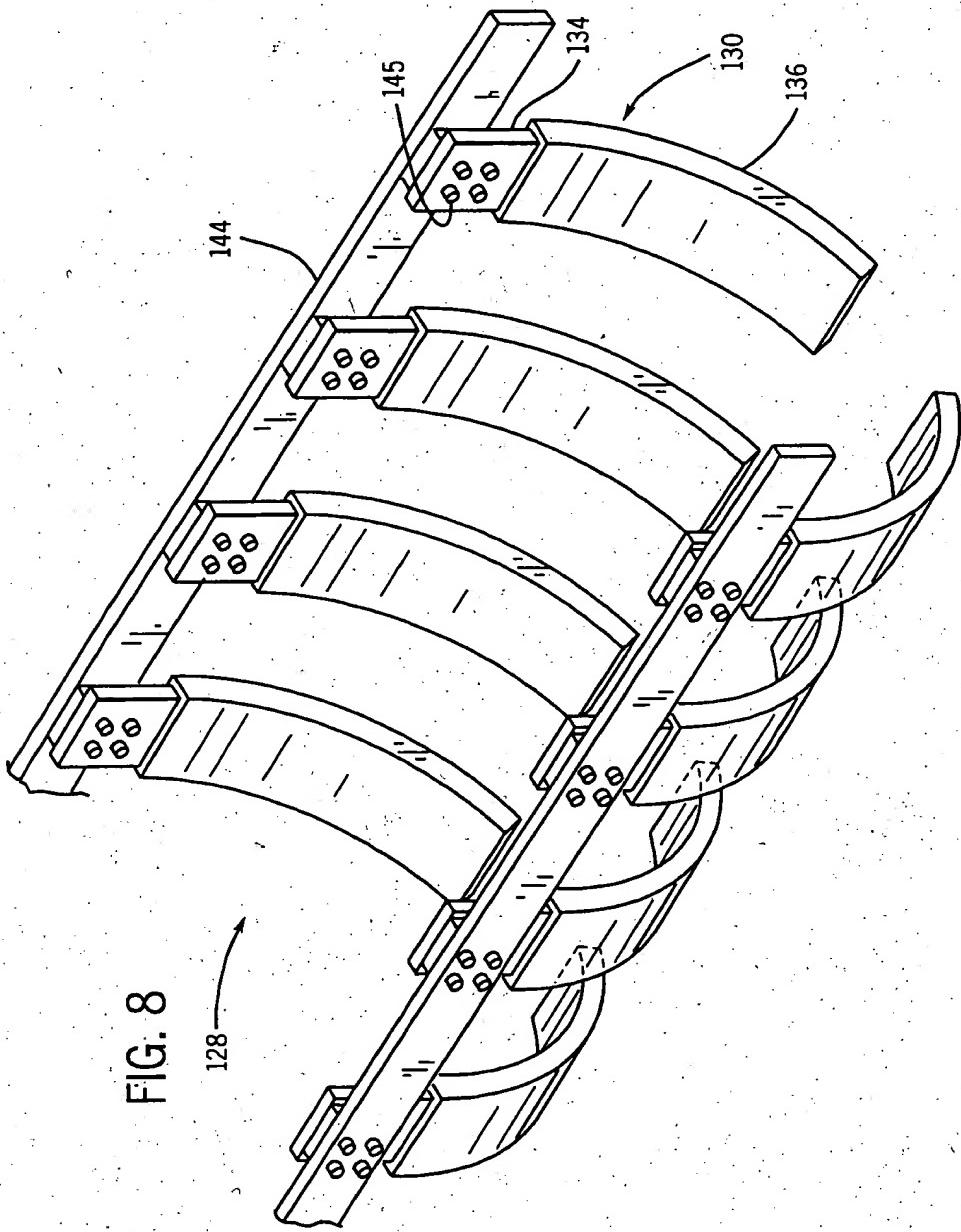
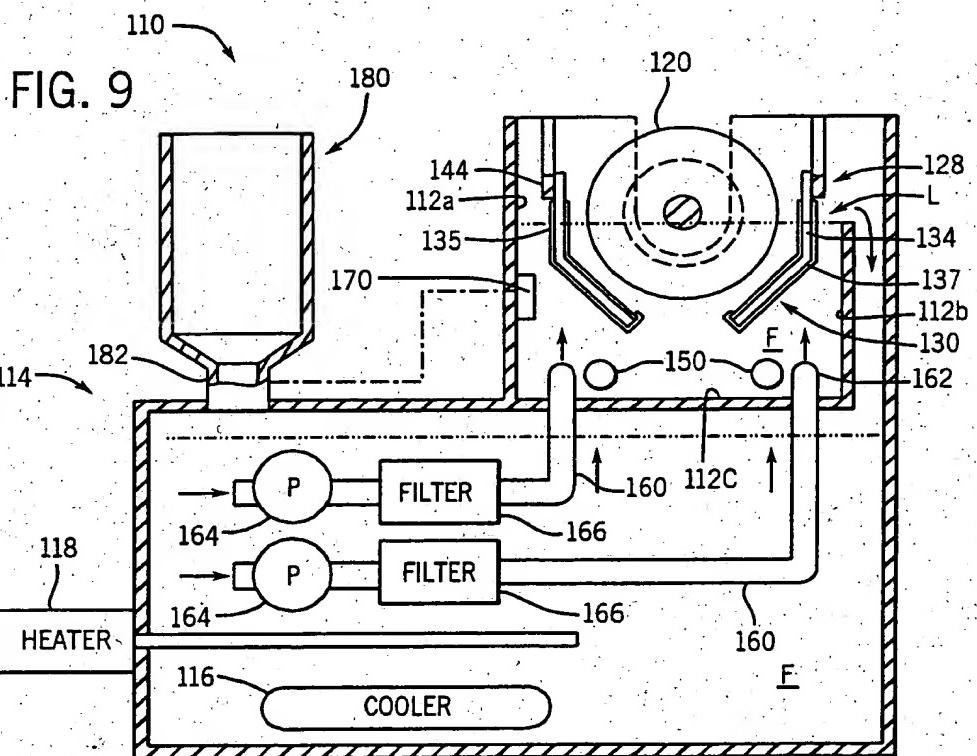


FIG. 8

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Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



0992205 - 090302



FIG. 10

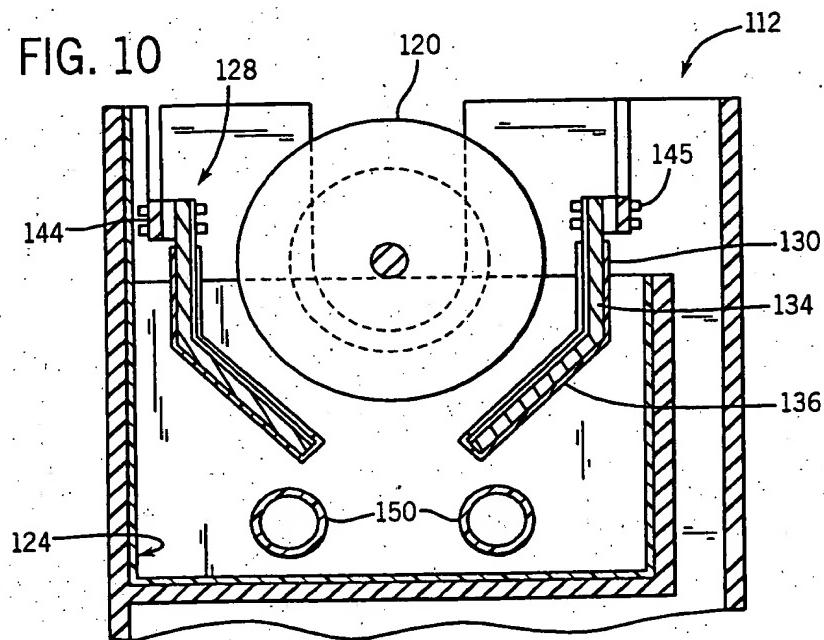
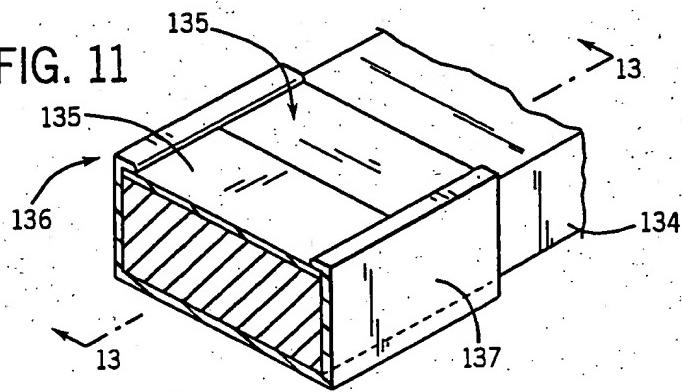


FIG. 11

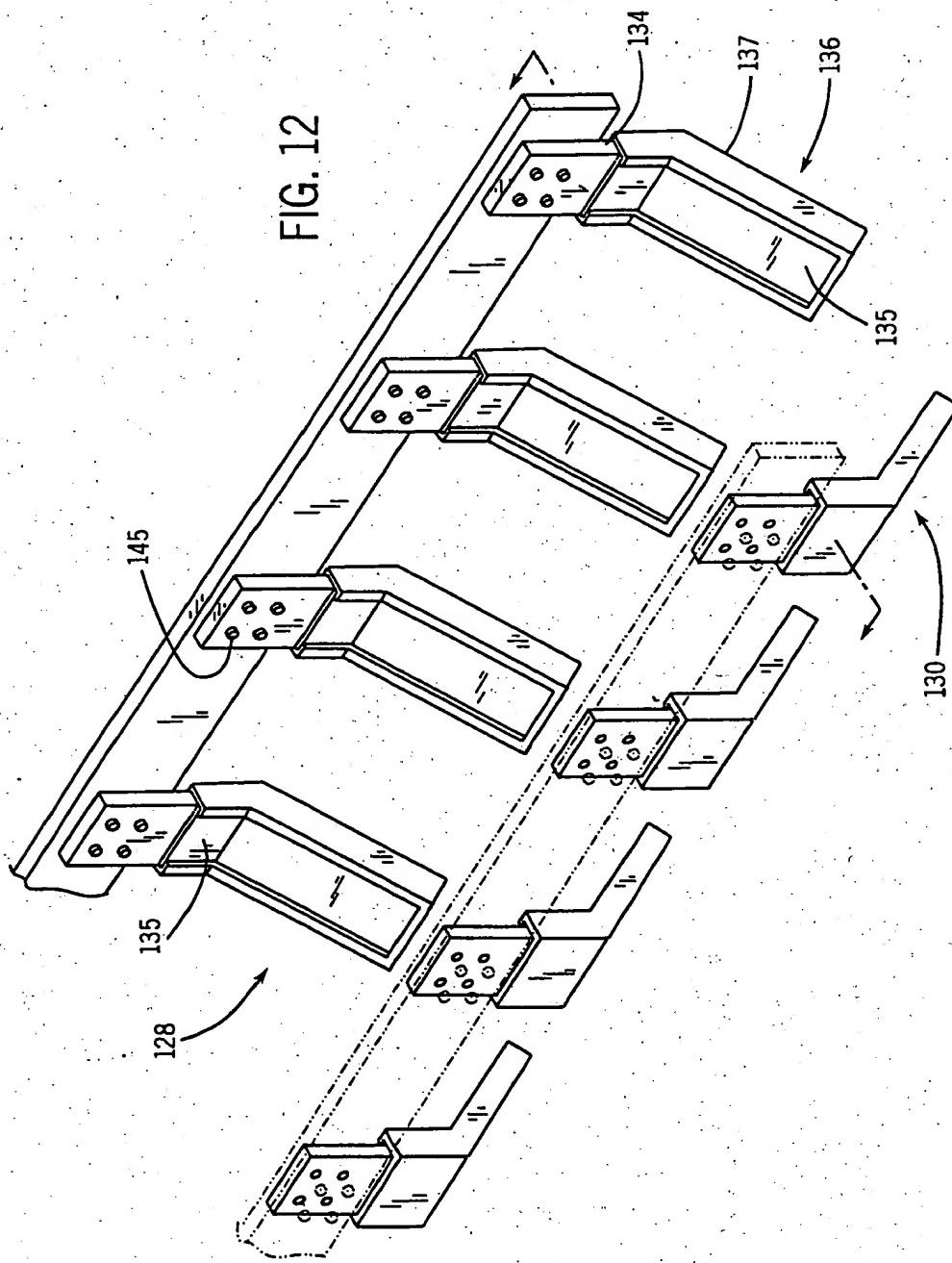


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Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



FIG. 12



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FIG. 13a

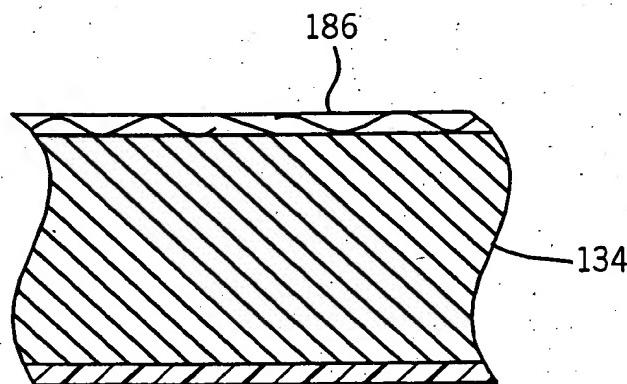


FIG. 13b

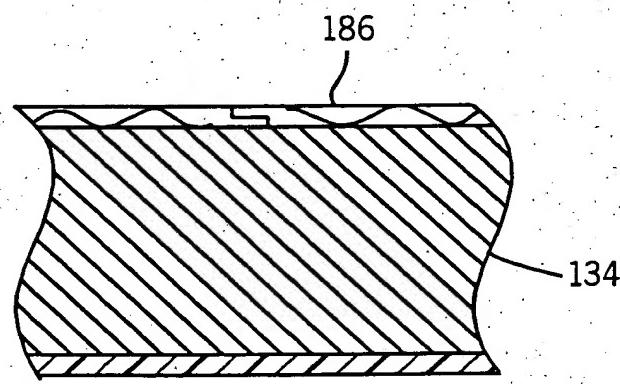
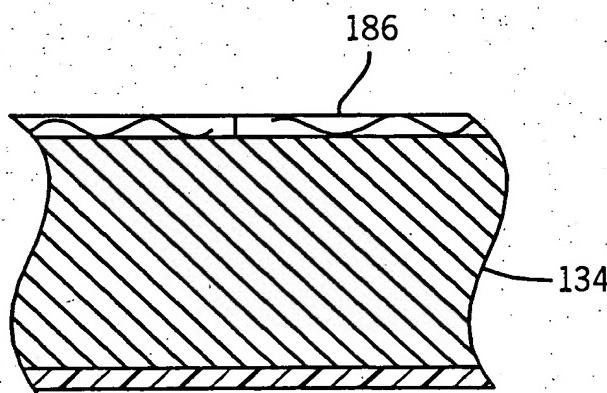


FIG. 13c



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FIG. 14

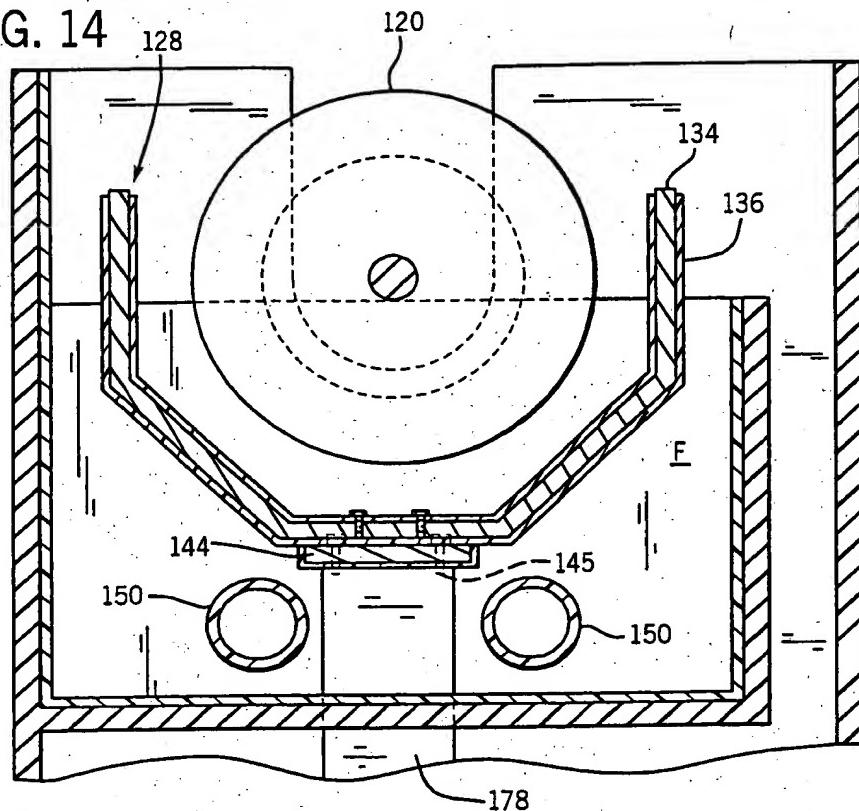


FIG. 15

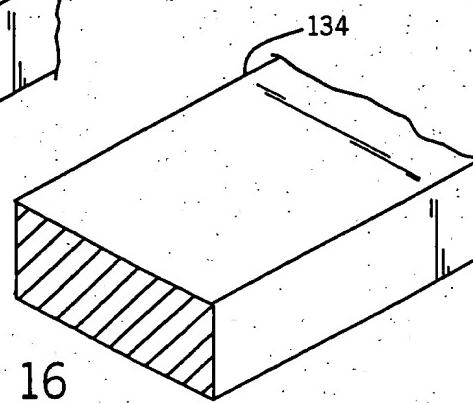
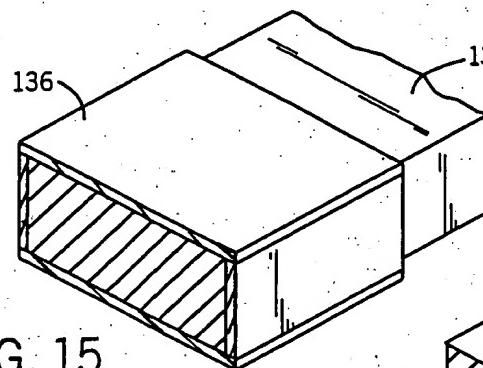


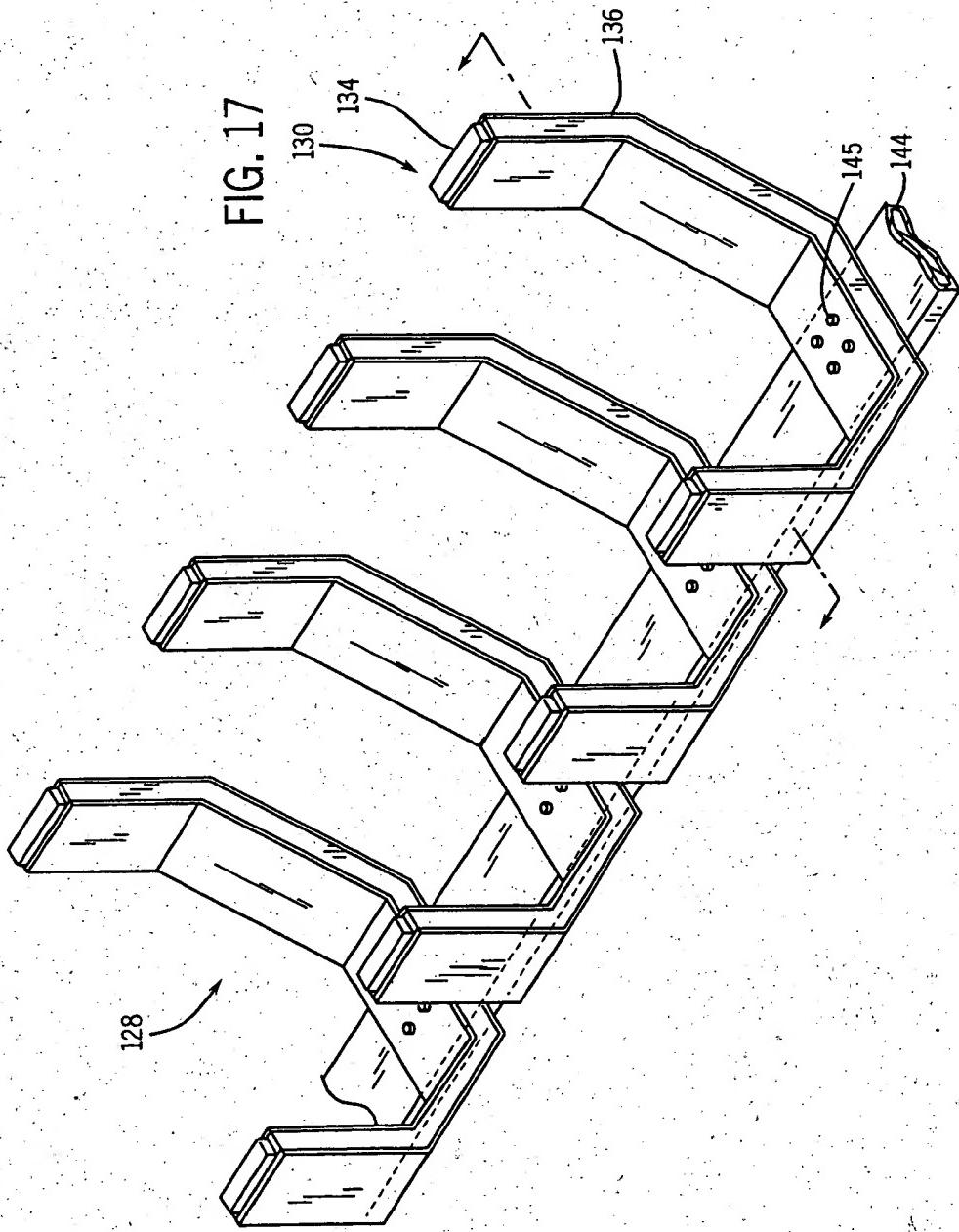
FIG. 16

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Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



FIG. 17

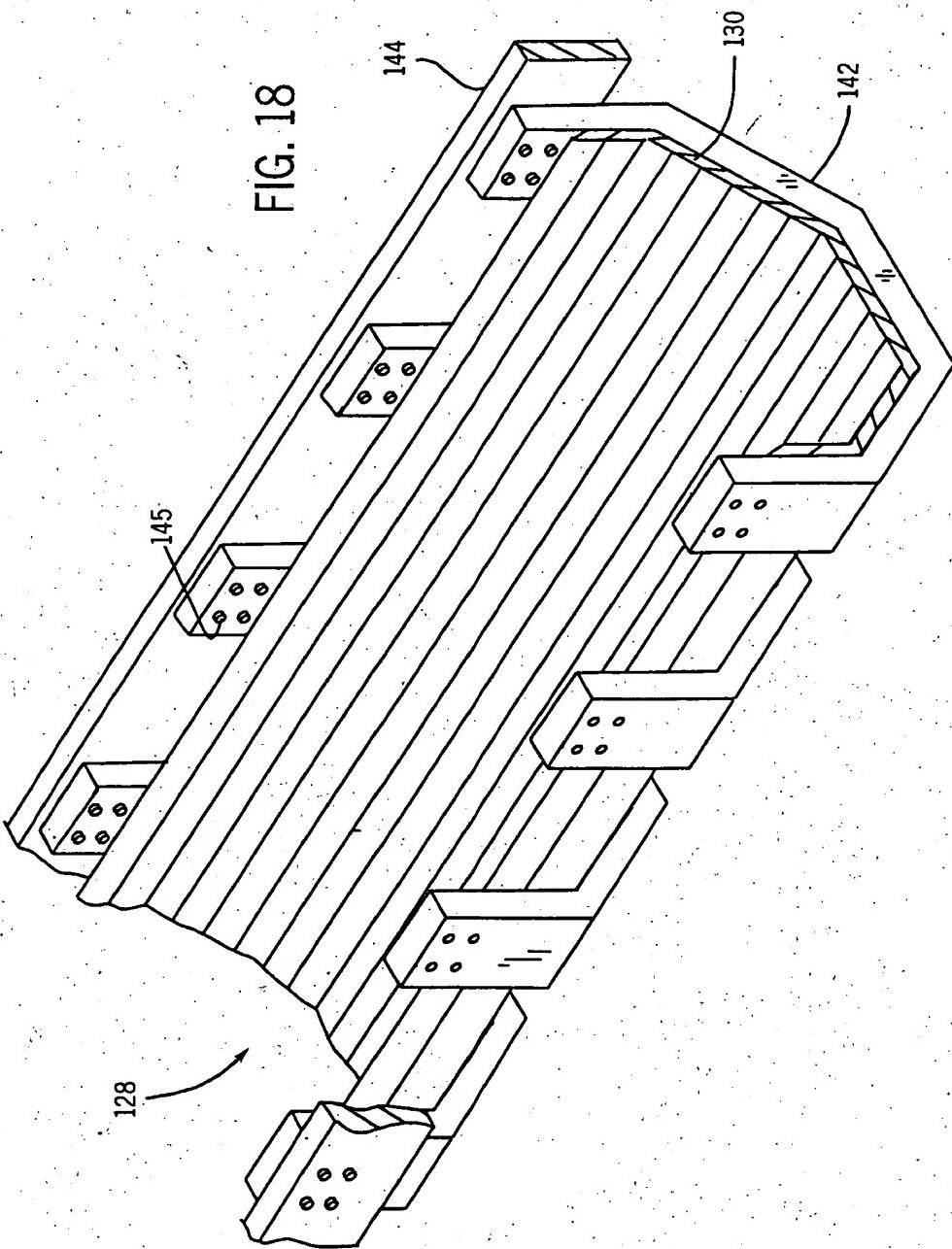


Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

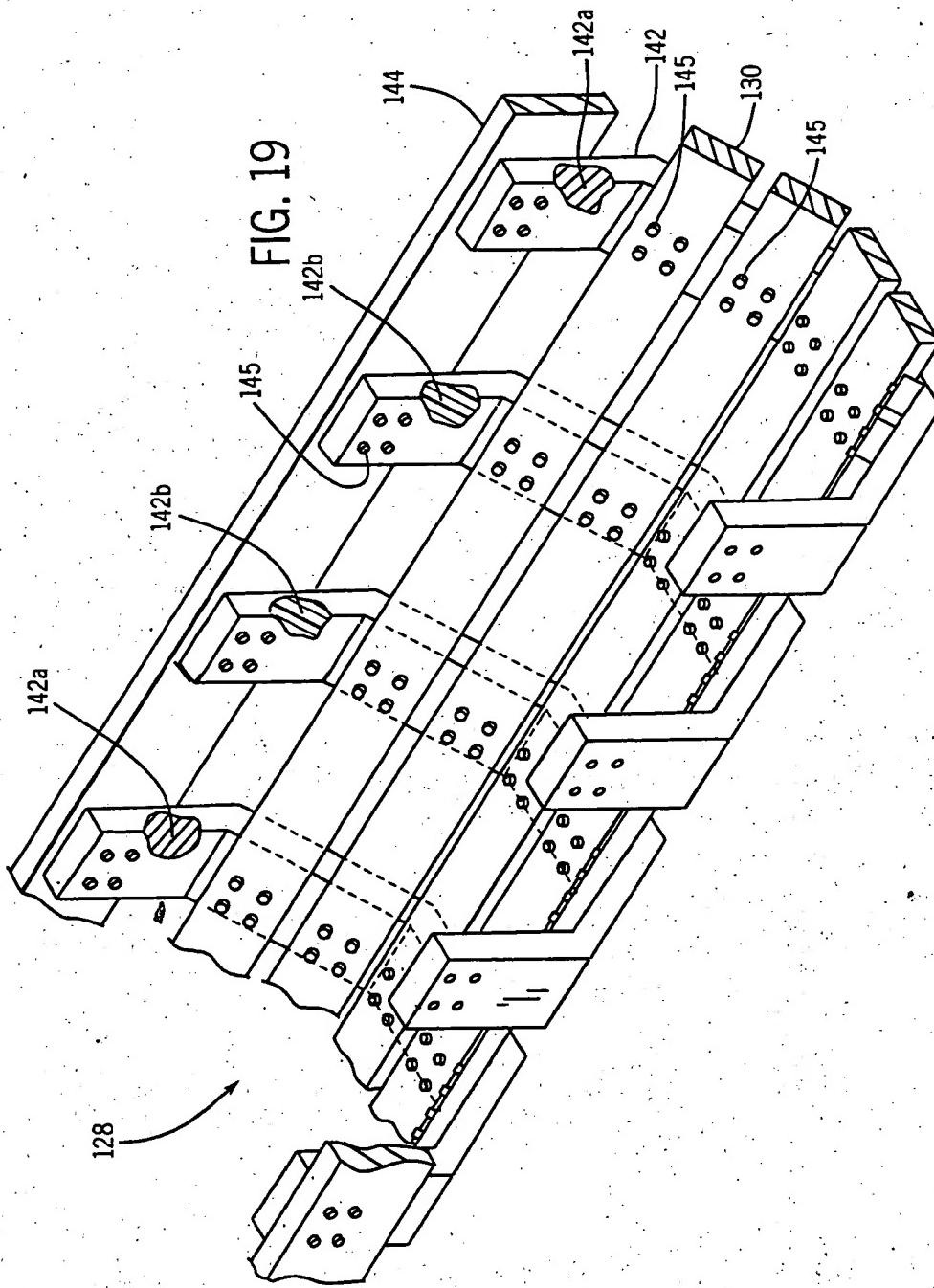


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FIG. 18



Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



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Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

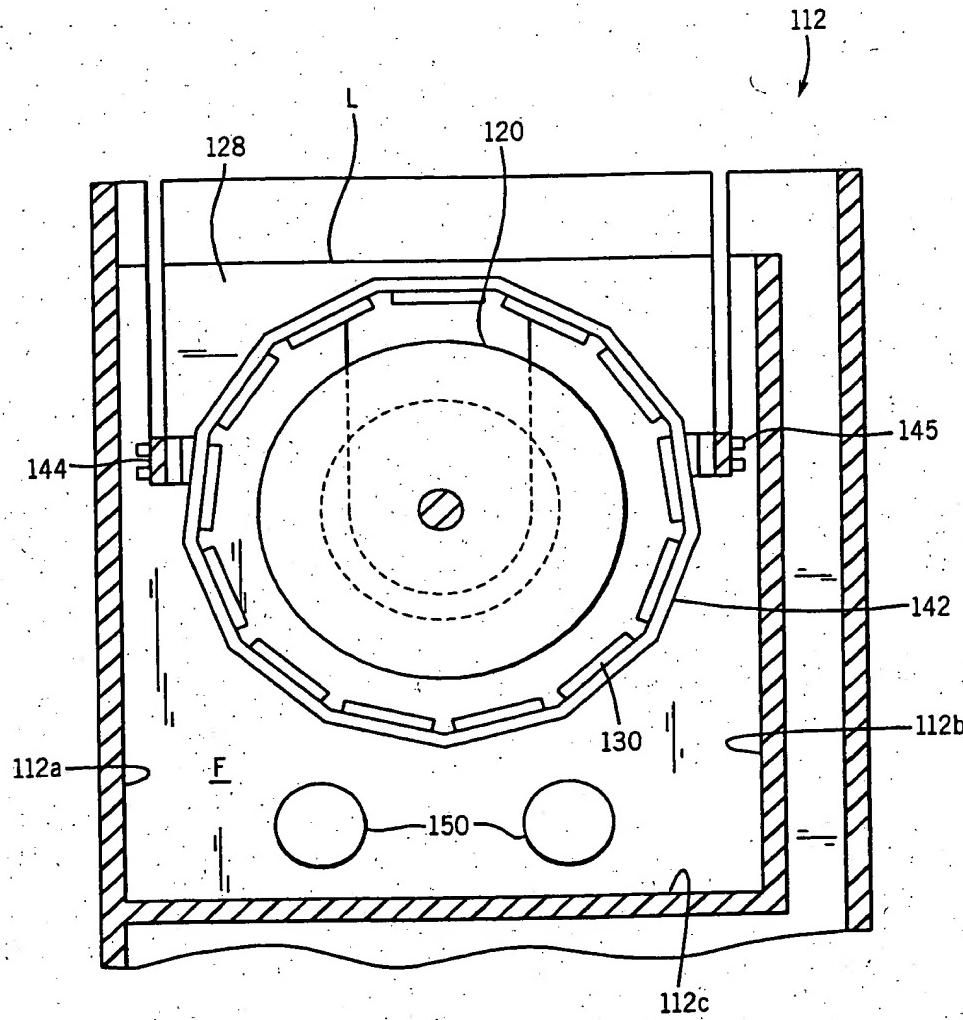
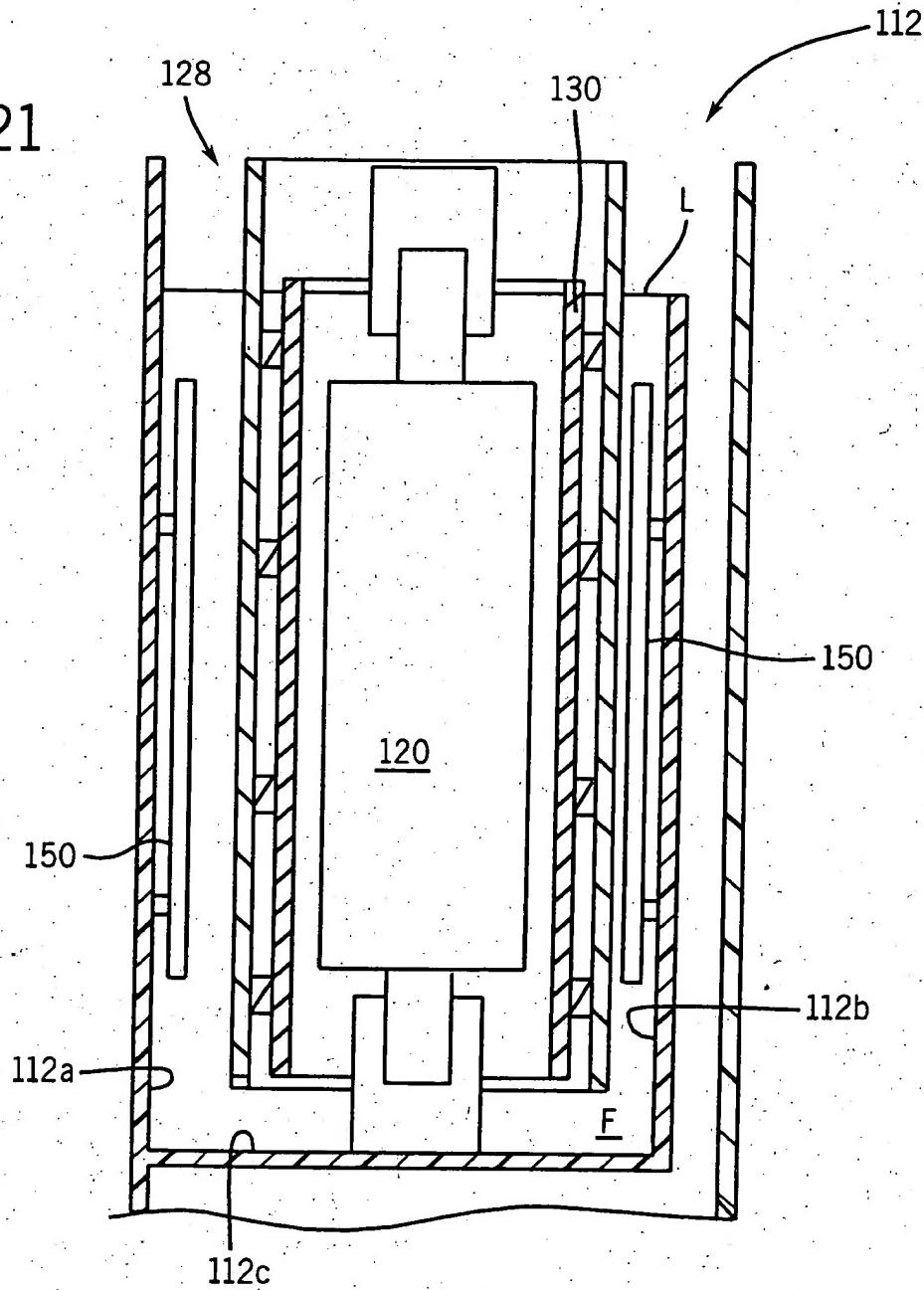


FIG. 20

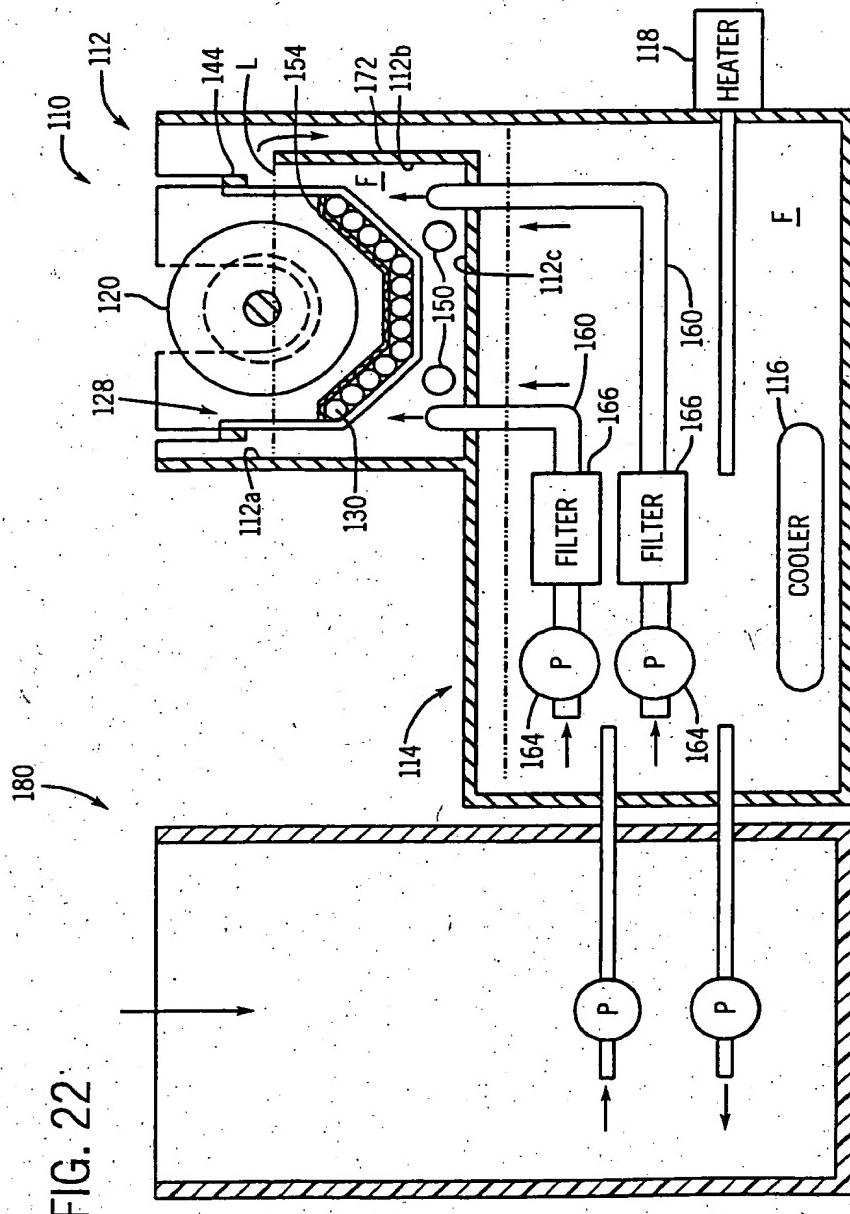
Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



FIG. 21



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**Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY**

FIG. 23

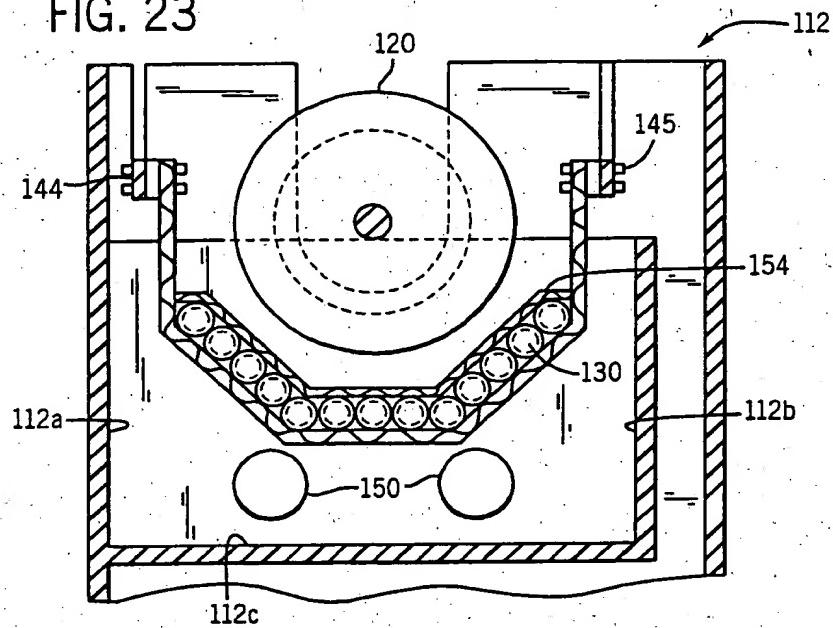
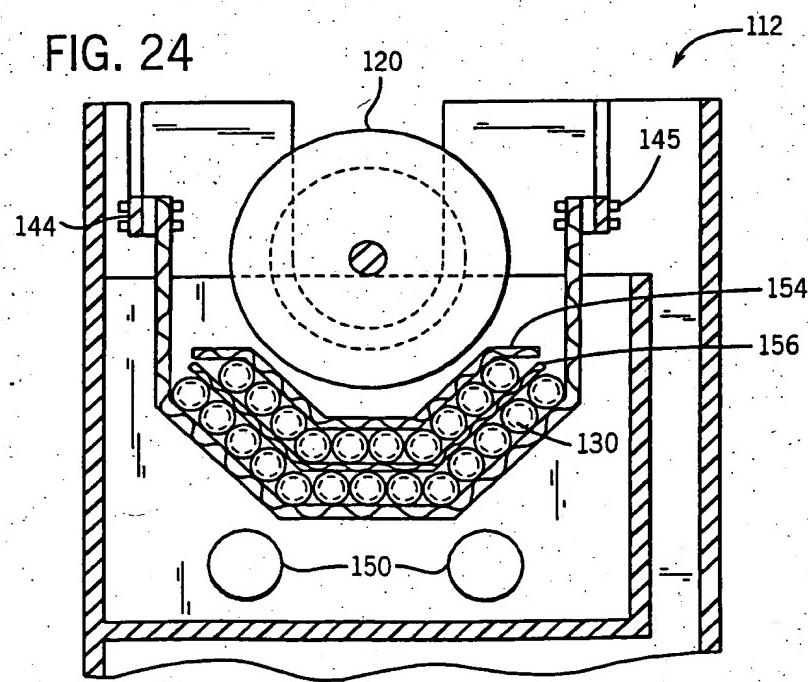
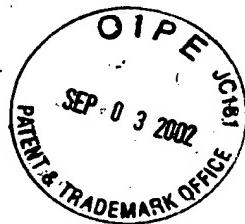
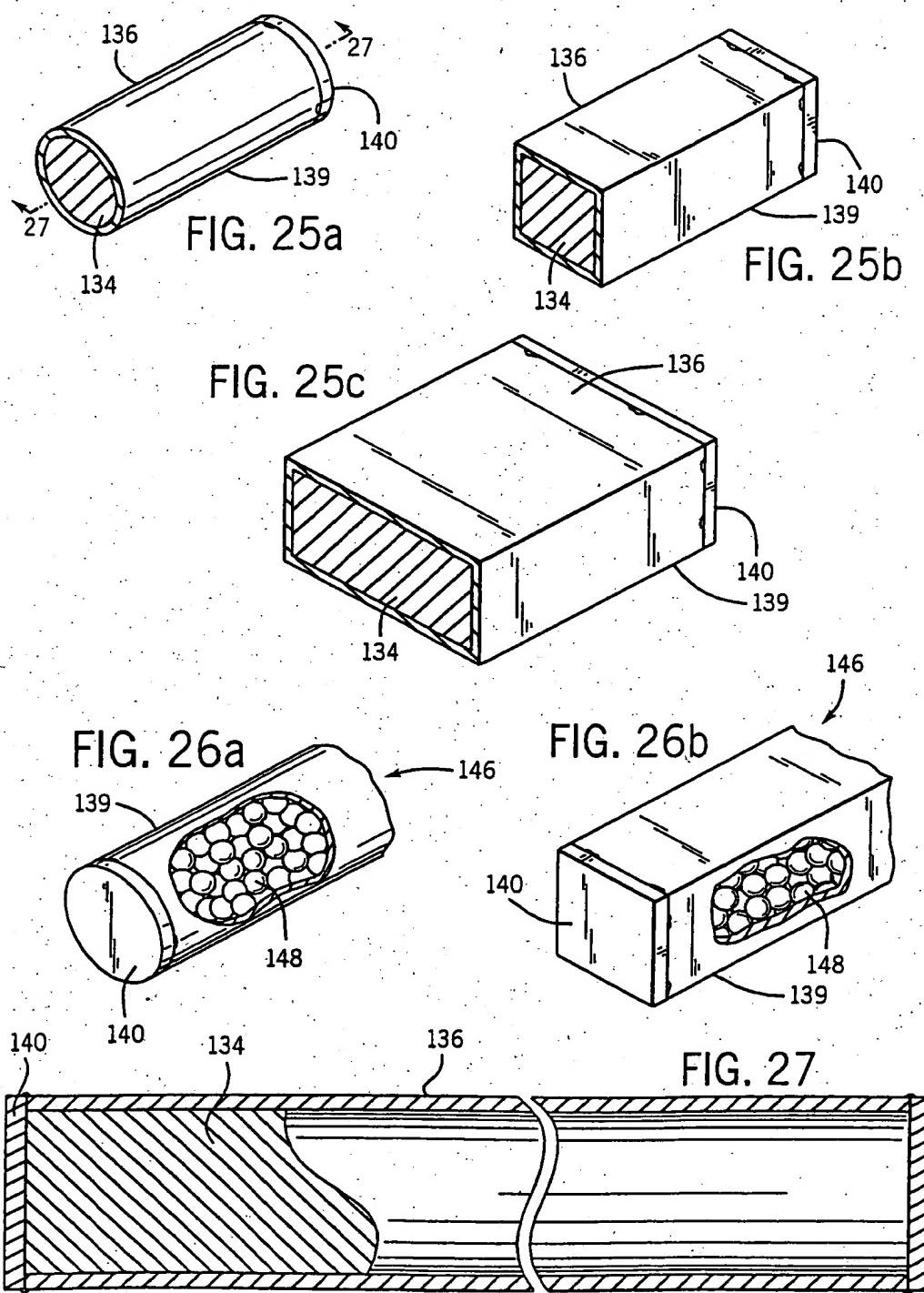


FIG. 24





**Title:** ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
**Inventor(s):** Hubert F. Metzger  
**Appl. No.:** 09/992,205



Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

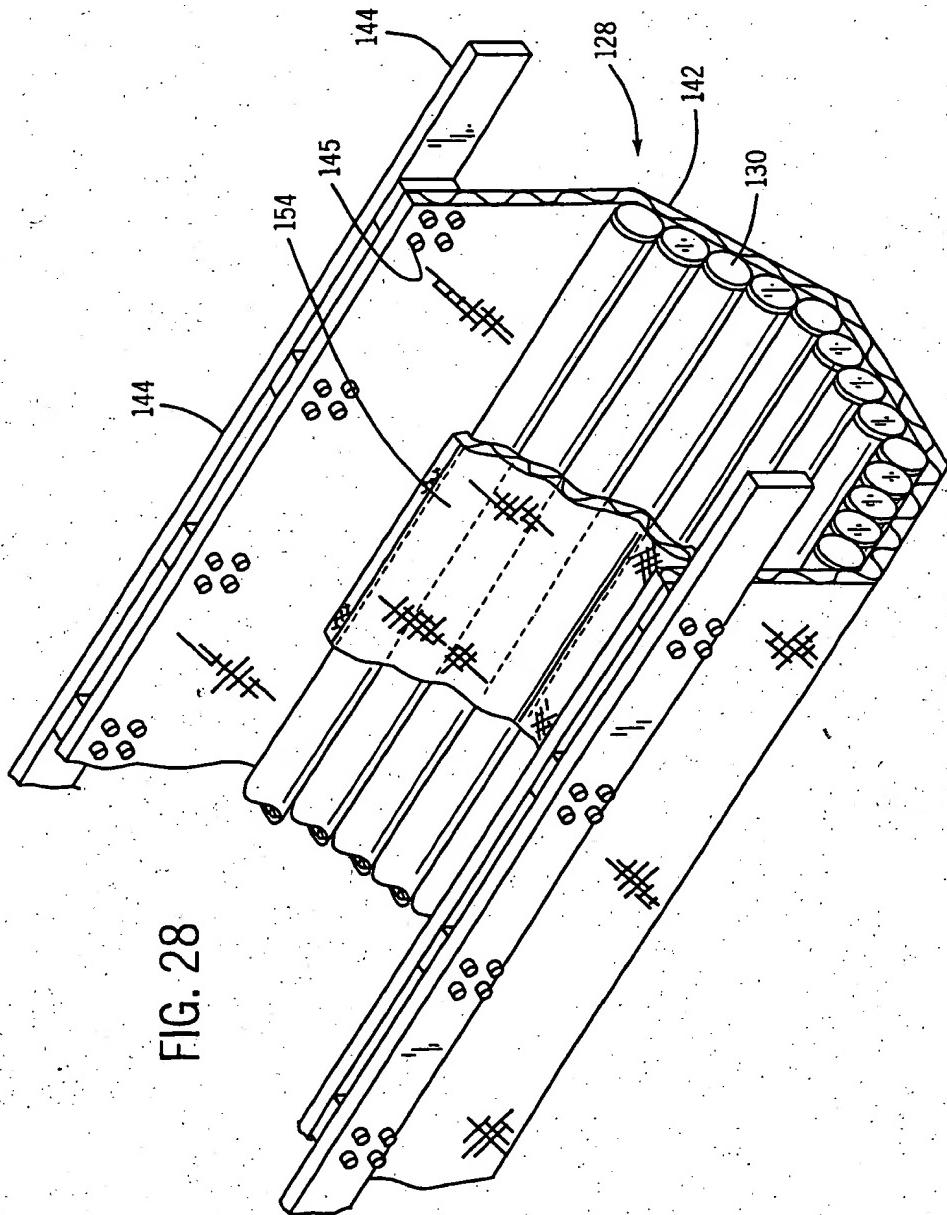


FIG. 28

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FIG. 29

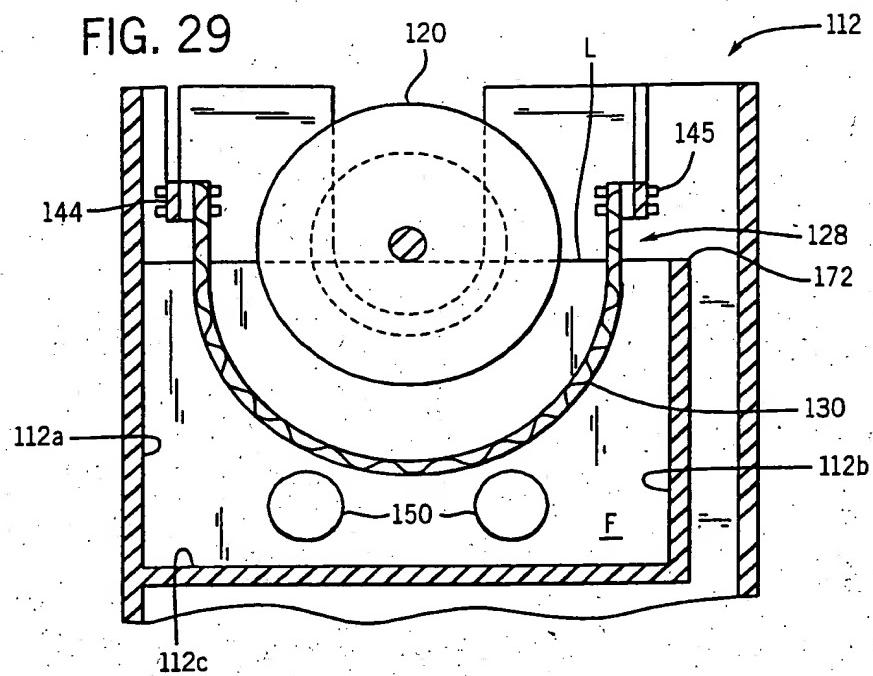
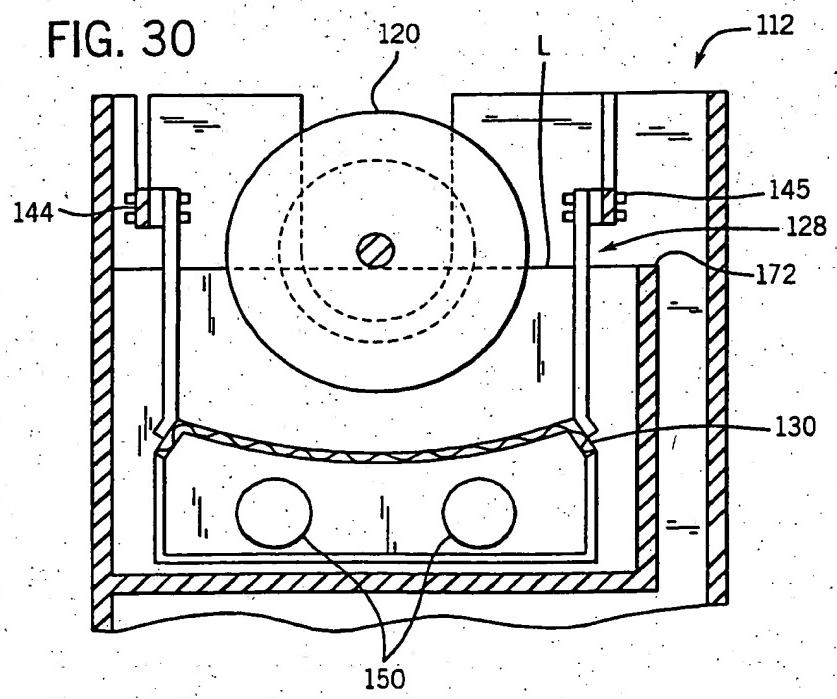


FIG. 30



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FIG. 31

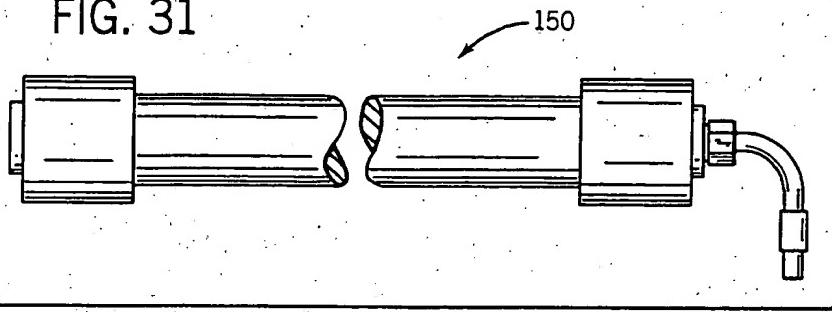


FIG. 32

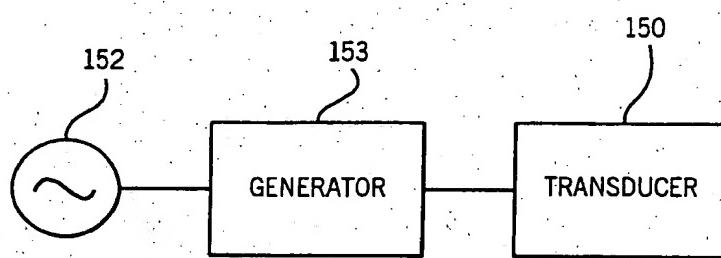
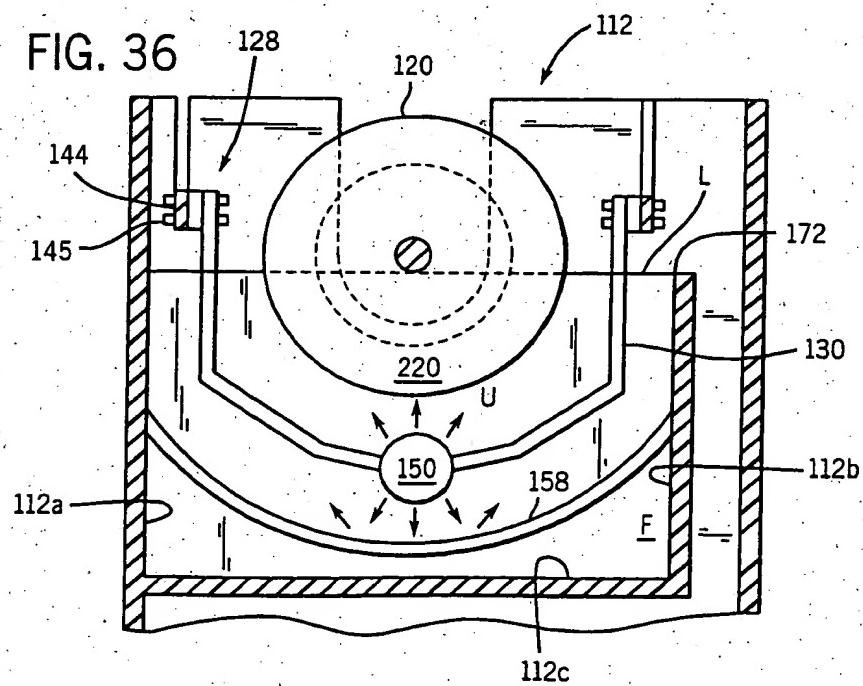


FIG. 36



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Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205

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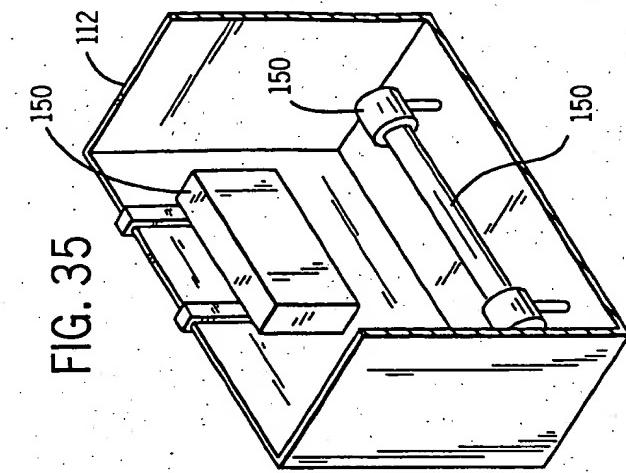


FIG. 35

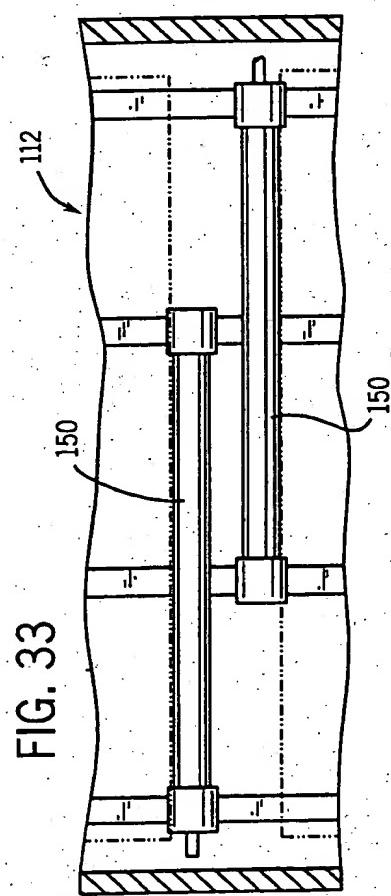


FIG. 33

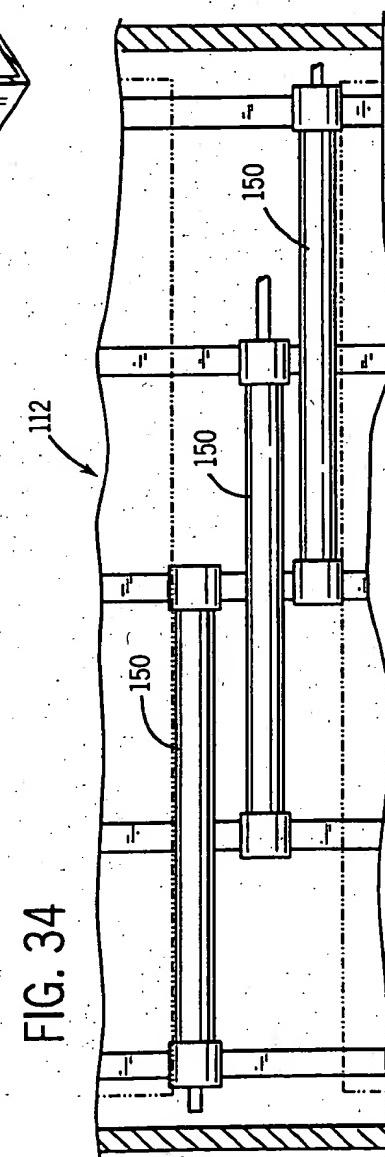
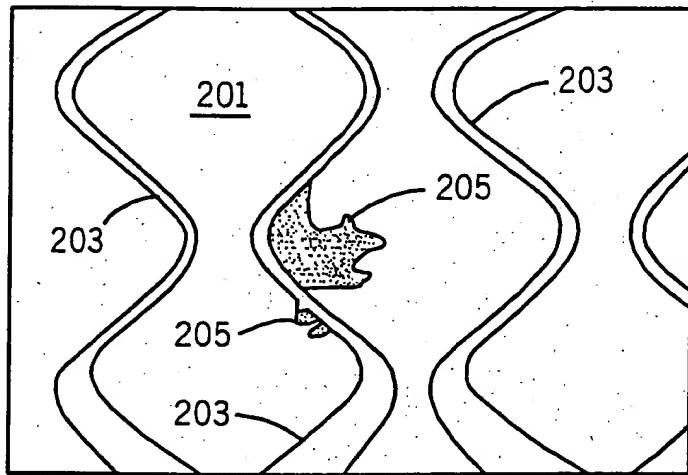
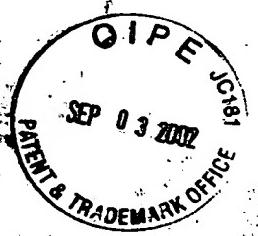
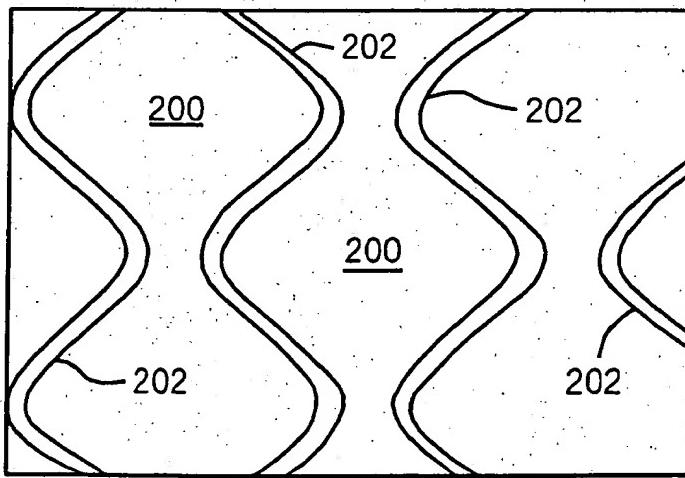


FIG. 34

**Title: ELECTROPLATING APPARATUS  
USING A NON-DISSOLVABLE ANODE  
AND ULTRASONIC ENERGY**



**FIG. 37**



**FIG. 38**



FIG. 39

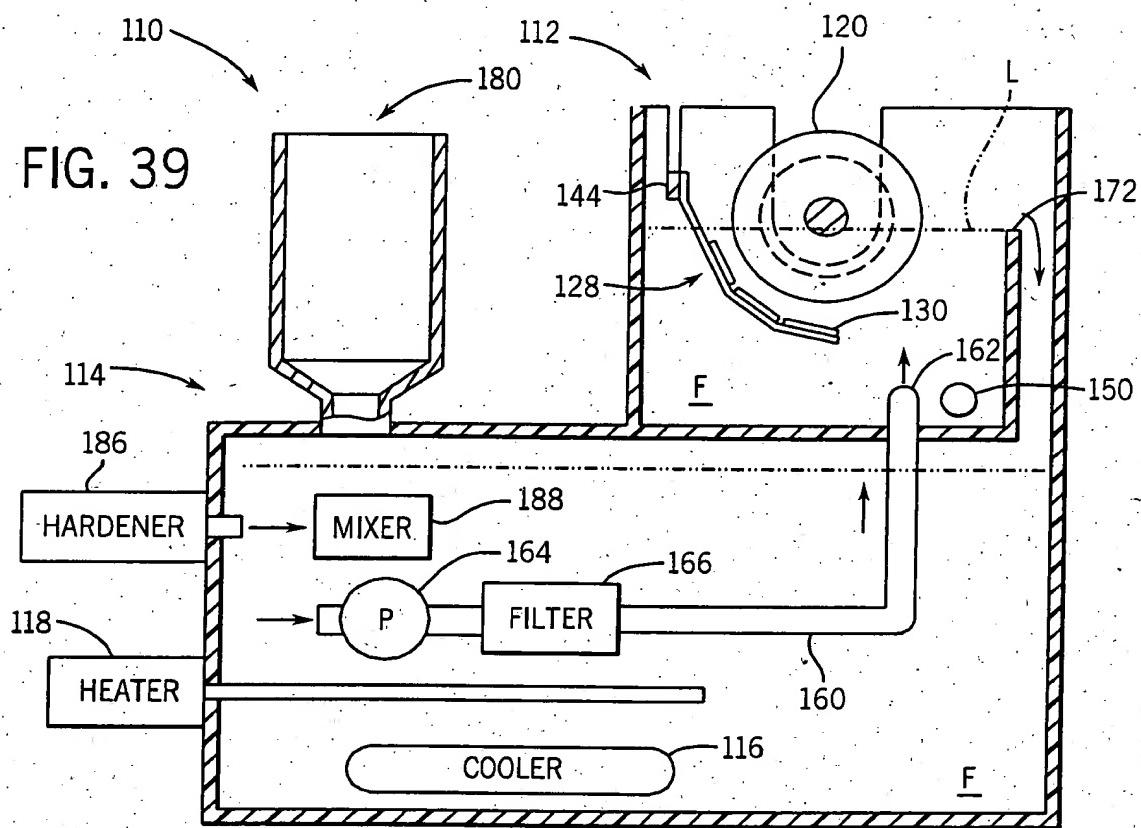
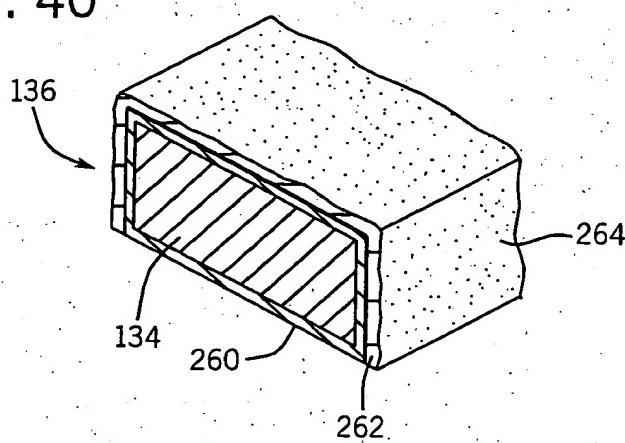


FIG. 40

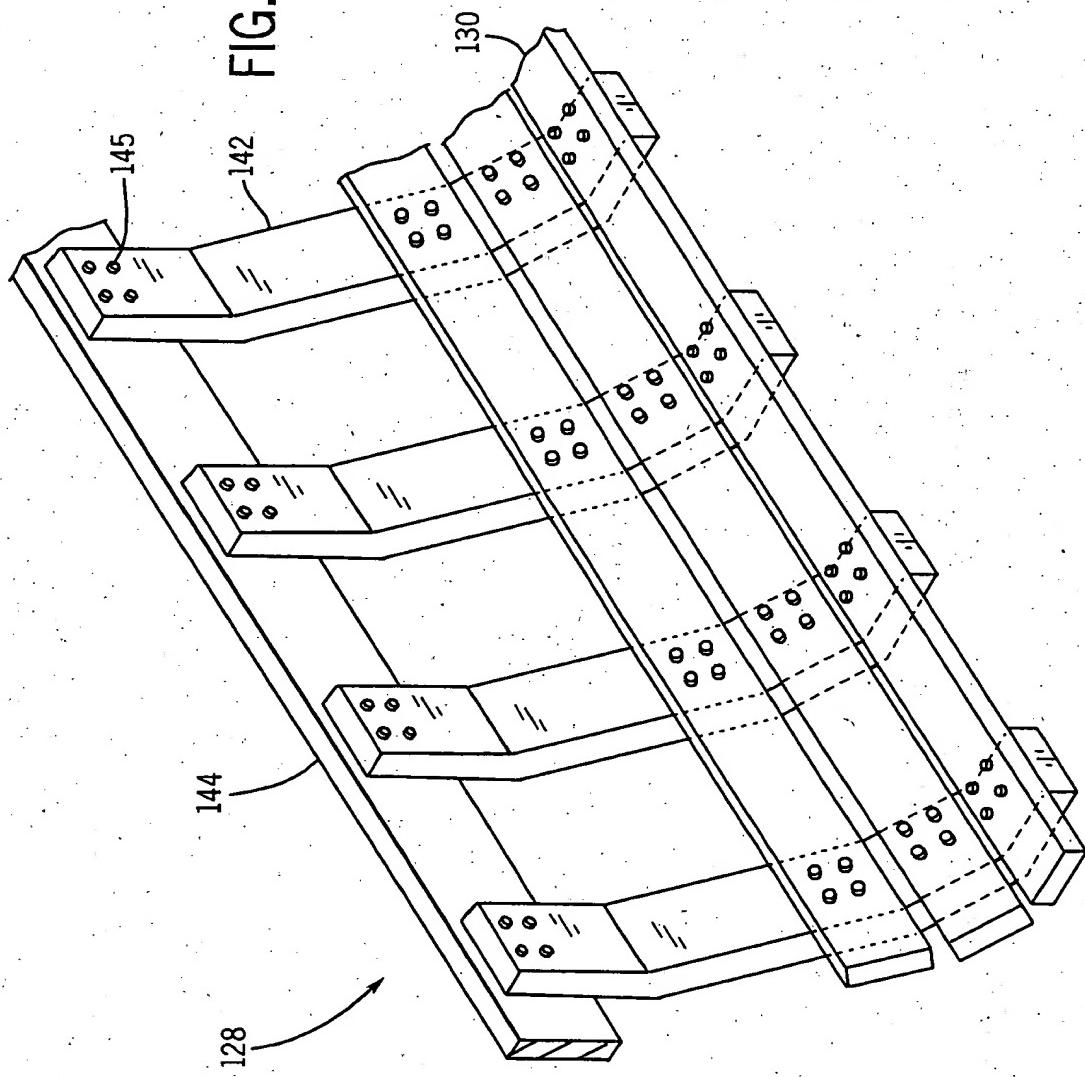


09/992,205 - 090302

Title: ELECTROPLATING APPARATUS  
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AND ULTRASONIC ENERGY  
Inventor(s): Hubert F. Metzger  
Appl. No.: 09/992,205



FIG. 41



202060 50226660